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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/056,407A

DATE: 04/28/2003
 TIME: 15:08:57

Input Set : N:\CrF4\04092003\J056402A.raw
 Output Set: N:\CRF4\04282003\J056407A.raw

1 <110> APPLICANT: MEHENS, LYDIE
 2 LUHRMANN, REINHARD GEORGE
 3 UNION, ANN
 4 RAYMACKERS, JOSEPH
 5 <120> TITLE OF INVENTION: METHYLATED, SMD HOMOLOGOUS PEPTIDES, REACTIVE WITH THE
 ANTIBODIES
 6 FROM SERA OF LIVING BEINGS AFFECTED WITH SYSTEMIC LUPUS
 7 ERYTHEMATOSUS
 8 <130> FILE REFERENCE: INNS:011--1
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/056,407A
 C--> 10 <141> CURRENT FILING DATE: 2002-01-24
 11 <150> PRIOR APPLICATION NUMBER: US 09/297,981
 12 <151> PRIOR FILING DATE: 1999-05-10
 13 <160> NUMBER OF SEQ ID NOS: 32
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 19
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Artificial Sequence
 20 <220> FEATURE:
 21 <223> OTHER INFORMATION: Synthetic Peptide
 22 <220> FEATURE:
 23 <221> NAME/KEY: MISC_FEATURE
 24 <222> LOCATION: (2)..(18)
 25 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 26 <400> SEQUENCE: 1
 W--> 27 Gly Xaa
 28 1 5 10 15
 29 Gly Xaa Gly
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 11
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Synthetic Peptide
 37 <220> FEATURE:
 38 <221> NAME/KEY: MISC_FEATURE
 39 <222> LOCATION: (2)..(10)
 40 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 41 <400> SEQUENCE: 2
 W--> 42 Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly
 43 1 5 10
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 17

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47 <212> TYPE: PRT
48 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Synthetic Peptide
51 <220> FEATURE:
52 <221> NAME/KEY: MISC_FEATURE
53 <222> LOCATION: (7)..(15)
54 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
55 <400> SEQUENCE: 3
W--> 56 Lys Ala Gln Val Ala Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly
57 1 5 10 15
58 Asn
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 38
62 <212> TYPE: PRT
63 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Synthetic Peptide
66 <220> FEATURE:
67 <221> NAME/KEY: MISC_FEATURE
68 <222> LOCATION: (17)..(33)
69 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
70 <400> SEQUENCE: 4
71 Asp Val Glu Pro Lys Val Lys Ser Lys Lys Arg Glu Ala Val Ala Gly
72 1 5 10 15
W--> 73 Xaa Gly Xaa Gly
74 20 25 30
75 Xaa Gly Gly Pro Arg Arg
76 35
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 16
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Synthetic Peptide
84 <220> FEATURE:
85 <221> NAME/KEY: MISC_FEATURE
86 <222> LOCATION: (5)..(13)
87 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
88 <400> SEQUENCE: 5
W--> 89 Asp Asn His Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Gly Gly
90 1 5 10 15
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 15
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Synthetic Peptide
98 <220> FEATURE:

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99 <221> NAME/KEY: MISC_FEATURE
100 <222> LOCATION: (3)..(13)
101 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
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104 1 5 10 15
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 12
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Synthetic Peptide
112 <220> FEATURE:
113 <221> NAME/KEY: MISC_FEATURE
114 <222> LOCATION: (4)..(10)
115 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
116 <400> SEQUENCE: 7
W--> 117 Glu Arg Ala Xaa Gly Xaa Gly Xaa Gly Xaa Gly Glu
118 1 5 10
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 46
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Synthetic Peptide
126 <220> FEATURE:
127 <221> NAME/KEY: MISC_FEATURE
128 <222> LOCATION: (6)..(44)
129 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
130 <400> SEQUENCE: 8
W--> 131 Gly Gly Gln Gln Asp Xaa Gly Gly Xaa Gly Xaa Gly Gly Gly
132 1 5 10 15
133 Tyr Asn Xaa Ser Ser Gly Gly Tyr Glu Pro Xaa Gly Xaa Gly Gly Gly
134 20 25 30
135 Xaa Gly Gly Xaa Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
136 35 40 45
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 18
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Synthetic Peptide
144 <220> FEATURE:
145 <221> NAME/KEY: MISC_FEATURE
146 <222> LOCATION: (6)..(11)
147 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
148 <400> SEQUENCE: 9
W--> 149 Gly Gly Gln Gln Asp Xaa Gly Gly Xaa Gly Xaa Gly Gly Gly
150 1 5 10 15

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Input Set : N:\CrF4\04092003\J056402A.raw
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151 Tyr Asn
153 <210> SEQ ID NO: 10
154 <211> LENGTH: 26
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic Peptide
159 <220> FEATURE:
160 <221> NAME/KEY: MISC_FEATURE
161 <222> LOCATION: (7)..(24)
162 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
163 <400> SEQUENCE: 10
W--> 164 **Ser Gly Gly Tyr Glu Pro Xaa Gly Xaa Gly Gly Gly Xaa Gly Gly Xaa**
165 1 5 10 15
166 Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
167 20 25
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 17
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Synthetic Peptide
175 <220> FEATURE:
176 <221> NAME/KEY: MISC_FEATURE
177 <222> LOCATION: (4)..(15)
178 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
179 <400> SEQUENCE: 11
W--> 180 **Asp Phe Asn Xaa Gly Gly Gly Asn Gly Xaa Gly Gly Xaa Gly Xaa Gly**
181 1 5 10 15
182 Gly
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 29
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthetic Peptide
190 <220> FEATURE:
191 <221> NAME/KEY: MISC_FEATURE
192 <222> LOCATION: (4)..(21)
193 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
194 <400> SEQUENCE: 12
W--> 195 **Asp Phe Asn Xaa Gly Gly Gly Asn Gly Xaa Gly Gly Xaa Gly Xaa Gly**
196 1 5 10 15
197 Gly Pro Met Gly Xaa Gly Gly Tyr Gly Gly Gly Gly Ser
198 20 25
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 38
202 <212> TYPE: PRT
203 <213> ORGANISM: Artificial Sequence

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Output Set: N:\CRF4\04282003\J056407A.raw

204 <220> FEATURE:
205 <223> OTHER INFORMATION: Synthetic Peptide
206 <220> FEATURE:
207 <221> NAME/KEY: MISC_FEATURE
208 <222> LOCATION: (4)..(34)
209 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
210 <400> SEQUENCE: 13

w--> 211 Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly Tyr Xaa
212 1 5 10 15
213 Gly Xaa Gly Gly Asp Xaa Gly Gly Phe Xaa Gly Gly Xaa Gly Gly Gly
214 20 25 30
215 Asp Xaa Gly Gly Phe Gly
216 35

218 <210> SEQ ID NO: 14
219 <211> LENGTH: 14
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Synthetic Peptide
224 <220> FEATURE:
225 <221> NAME/KEY: MISC_FEATURE
226 <222> LOCATION: (4)..(12)
227 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
228 <400> SEQUENCE: 14

w--> 229 Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly
230 1 5 10
232 <210> SEQ ID NO: 15
233 <211> LENGTH: 26
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Synthetic Peptide
238 <220> FEATURE:
239 <221> NAME/KEY: MISC_FEATURE
240 <222> LOCATION: (4)..(22)
241 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
242 <400> SEQUENCE: 15

w--> 243 Gly Gly Tyr Xaa Gly Xaa Gly Gly Asp Xaa Gly Gly Phe Xaa Gly Gly
244 1 5 10 15
245 Xaa Gly Gly Gly Asp Xaa Gly Gly Phe Gly
246 20 25
248 <210> SEQ ID NO: 16
249 <211> LENGTH: 19
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Synthetic Peptide
254 <400> SEQUENCE: 16
255 Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/28/2003
PATENT APPLICATION: US/10/056,407A TIME: 15:08:58

Input Set : N:\Crf4\04092003\J056402A.raw
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,4,6,8,10,12,14,16,18
Seq#:2; Xaa Pos. 2,4,6,10
Seq#:3; Xaa Pos. 7,9,11,15
Seq#:4; Xaa Pos. 17,19,21,23,25,27,29,31,33
Seq#:5; Xaa Pos. 5,7,9,11,13
Seq#:6; Xaa Pos. 3,5,11,13
Seq#:7; Xaa Pos. 4,6,8,10
Seq#:8; Xaa Pos. 6,9,11,19,27,29,33,36,44
Seq#:9; Xaa Pos. 6,9,11
Seq#:10; Xaa Pos. 7,9,13,16,24
Seq#:11; Xaa Pos. 4,10,13,15
Seq#:12; Xaa Pos. 4,10,13,15,21
Seq#:13; Xaa Pos. 4,5,7,12,16,18,22,26,29,34
Seq#:14; Xaa Pos. 4,5,7,12
Seq#:15; Xaa Pos. 4,6,10,14,17,22
Seq#:32; Xaa Pos. 8,10,12,14,16,18,20,22,24

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VERIFICATION SUMMARY

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Input Set : N:\Crf4\04092003\J056402A.raw
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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
M:341 Repeated in SeqNo=4
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
M:341 Repeated in SeqNo=10
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
M:341 Repeated in SeqNo=12
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
M:341 Repeated in SeqNo=15
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
M:341 Repeated in SeqNo=32